Supplies Needed:

- Club Soda or another clear soda (7-Up, Sprite, etc.) (Unopened is best)
- Raisins (fresh works best)

***Tip: You will want to separate the raisins first. If they are stuck together they won't dance. Small/medium raisins worked better as well.**

1. Fill a glass with soda.
2. Drop raisins into the glass. What happens? Do they sink or float?
3. Then sit and watch what happens. You may need to be patient. It can take a minute or two for them to start moving.

The kids got a huge kick out of this! They love watching the raisins get lifted up and then pushed back down in the soda. It is really cool to see the bubbles attach to the raisins and lift them up.

How does this Science Experiment work?

When you first drop the raisins in the soda they sink to the bottom of the glass because they are more dense than the soda. But the carbonated soda releases carbon dioxide bubbles and these bubbles love to attach to the rough surface of the raisins. They act like tiny floatation devices that lift the raisin to the surface of the water. This is due to an increase in buoyancy.

Once the carbon dioxide bubbles reach the surface of the soda they pop and the gas is released into the air. This makes the raisin lose buoyancy and fall back down to the bottom of the glass.

This continues until all of the carbon dioxide has escaped and the soda is flat.

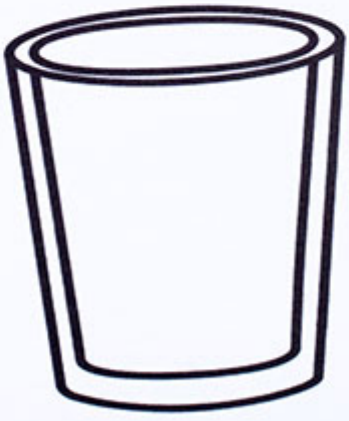
Extend the Learning

- Try different kinds of soda and see which one works best.
- Try adding different things to the soda. Some popular options are pieces of uncooked pasta and lentils. I've heard rice works, but white rice didn't work for us. Maybe try brown rice?

Dancing Raisins

What I think will happen:

What I observed:



Dancing Raisins

What I think will happen:

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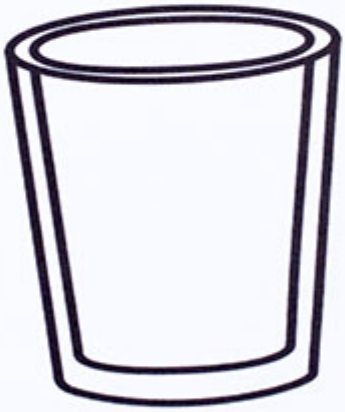

What I learned: